

Roots of Mental Illness in Children

March 15 – 17, 2003

The Rockefeller University
New York, New York

A New York Academy of Sciences Conference

Co-sponsored by:



Conference Theme

The cost of mental health care is a major financial and emotional burden worldwide. A large portion of this burden is the result of childhood mental illness. When illness strikes early in the life span, it has lasting contributions to many adult social, economic and mental health problems. Most studies on childhood mental disorders have been conducted retrospectively. Prospective studies on the etiology of childhood mental illness are a necessary opportunity to consider developmental contributions, but the literature using a developmental approach is sparse. Animal studies using a developmental framework for studies of brain and behavior may be helpful to expanding our understanding of some childhood disorders. Recently, considerable attention has focused on the potential for understanding genomic sources of vulnerability to mental illness. However, the development of brain and behavior is the essential link between genes, their products, and ultimately their functional expression.

Current diagnostic practice for children's mental health is limited by the absence of independent biological or behavioral criteria guiding clinical decisions. The incorporation of dimensional approaches might be very fruitful for understanding these disorders, as well as their etiology. The evidence from basic brain and behavioral science will support the task of deriving better agreement and validation of diagnostic criteria.

The objective of this conference is to build bridges between animal research and clinical approaches for studying mental health and disorders in children and adolescents. The premise of the conference is that the common symptoms, or dimensions, observed in several childhood disorders may help us conceptualize special features of behavioral and neural development that – together with the impact of environmental factors – confer either susceptibility or resilience to mental illness during early stages of development. The long-term goal is to foster interdisciplinary research collaborations and policy initiatives to enhance our understanding, diagnosis and treatment of mental illness in children.

Conference Organizers

Jean A. King, Ph.D.
University of Massachusetts
Medical School, Worcester

Craig Ferris, Ph.D.
University of Massachusetts
Medical School, Worcester

Israel I. Lederhendler, Ph.D.
National Institute of Mental Health
National Institutes of Health
Bethesda, Maryland

Speakers

David G. Amaral, Ph.D.
University of California, Davis

Paul S. Appelbaum, M.D.
University of Massachusetts
Medical School, Worcester

Daniel Connor, M.D.
University of Massachusetts
Medical School, Worcester

Ronald E. Dahl, M.D.
University of Pittsburgh Medical Center
Pennsylvania

Richard J. Davidson, Ph.D.
University of Wisconsin, Madison

Michael Davis, Ph.D.
Emory University School of Medicine
Atlanta, Georgia

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Medical School, Worcester

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University of California, Berkeley

Kimberly Hoagwood, Ph.D.
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New York, New York

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University of Minnesota, Minneapolis

Joel Nigg, Ph.D.
Michigan State University, East Lansing

Bradley S. Peterson, M.D.
Columbia University
New York, New York

Paul M. Plotsky, Ph.D.
Emory University School of Medicine
Atlanta, Georgia

Seth David Pollak, Ph.D.
University of Wisconsin, Madison

Stephen W. Porges, Ph.D.
University of Illinois at Chicago

Barbara O. Rothbaum, Ph.D.
Emory University School of Medicine
Atlanta, Georgia

Sir Michael Rutter, M.D., F.R.C.P.
Institute of Psychiatry
London, United Kingdom

David H. Skuse, M.D.
Institute of Child Health
London, United Kingdom

Regina Sullivan, Ph.D.
University of Oklahoma, Norman

Stephen J. Suomi, Ph.D.
National Institute of Child Health
and Human Development
National Institutes of Health
Bethesda, Maryland

Charles H. Zeanah, Jr., M.D.
Tulane University Health Sciences Center
New Orleans, Louisiana

PRELIMINARY PROGRAM

Friday, March 14, 2003 (6:00 P.M. - 8:00 P.M.)

Arrival Day and Registration Check-In

Saturday, March 15, 2003 (7:30 A.M. - 7:30 P.M.)

Registration and Continental Breakfast

Welcoming Remarks

Rashid Shaikh, Ph.D.

Introduction to Conference

Israel I. Lederhendler, Ph.D.

Introduction of Keynote Speaker

Doreen S. Koretz, Ph.D.

KEYNOTE ADDRESS

Categories, Dimensions and the Mental Health
of Children and Adolescents

Sir Michael Rutter, M.D., F.R.C.P.

SESSION I. PARENT-CHILD INTERACTIONS: ATTACHMENT

Attachment: Neural Mechanisms and Consequences

Thomas R. Insel, M.D.

Attachment Relationship Experiences and
Psychopathology in Childhood

Charles H. Zeanah, Jr., M.D.

Integrator

Stephen W. Porges, Ph.D.

Social Engagement and Attachment:
A Phylogenetic Perspective

Lunch Break (On Own)

SESSION II. PARENT-CHILD INTERACTIONS: SEPARATION

Neurobiological Adaptations to Perinatal
Stressor Exposure

Paul M. Plotsky, Ph.D.

Childhood Trauma and Adjustment Problems

Nadine J. Kaslow, Ph.D.

Integrator

Charles A. Nelson, Ph.D.

Can We Develop a Neurobiological Model of Human
Social-Emotional Development?

SESSION III. SOCIAL INTERACTIONS: CONFLICT

Neurobiology of Social Conflict

Craig Ferris, Ph.D.

Adolescent Groups and Criminal Involvement

Daniel Connor, M.D.

Integrator

Stephen J. Suomi, Ph.D.

Genetic-Environmental Interactions and the
Neurobiology of Social Conflict

POSTER SESSION AND WINE/CHEESE RECEPTION

Sunday, March 16, 2003 (7:45 A.M. - 5:30 P.M.)

Registration and Continental Breakfast

SESSION IV. SOCIAL INTERACTIONS: RISK ASSESSMENT

The Amygdala: Social Behavior and Fear *David G. Amaral, Ph.D.*
Experience-Dependent Affective Learning and
Risk for Psychopathology in Children *Seth David Pollak, Ph.D.*
Integrator *David H. Skuse, M.D.*
Genetic Models of Emotion Processing:
From Mouse to Man and Back Again

SESSION V. LEARNED FEAR AND ANXIETY: THE SENSE OF SAFETY

Neurobiology of Attachment *Regina Sullivan, Ph.D.*
Applying Learning Principles to the Treatment
of Post-Trauma Reactions *Barbara O. Rothbaum, Ph.D.*
Integrator *Michael Davis, Ph.D.*
Extinction of Conditioned Fear as it Relates to Psychotherapy

LUNCHEON SESSION. Policy Implications

Limited Seating, By Subscription

Health Care Financing and Science: Implications for
Progress in Understanding Mental Health Disorders *Paul S. Appelbaum, M.D.*
Organizational, Financing and Systems Perspectives:
Implications for Improving Mental Health Services
for Children *Kimberly Hoagwood, Ph.D.*

SESSION VI. MOOD REGULATION: IMPULSIVITY

Neural Networks and Impulsivity *Jean A. King, Ph.D.*
Response Inhibition and Disruptive Behavior in Children *Joel Nigg, Ph.D.*
Integrator *Stephen P. Hinshaw, Ph.D.*
Emotion Regulation, Impulse Control, and Developmental
Psychopathology: Specificity Versus Generality of Linkages

SESSION VII. MOOD REGULATION: INDIVIDUAL DIFFERENCES

The Neurobiology of Emotion Regulation *Ned H. Kalin, M.D.*
Diagnosis and Pathophysiology of Bipolar
Disorder in Children *Ellen Leibenluft, M.D.*
Integrator *Ronald E. Dahl, M.D.*
The Development of Affect Regulation:
Bringing Together Basic and Clinical Perspectives

Monday, March 17, 2003 (7:45 A.M. - 12:00 Noon)

Registration and Continental Breakfast

**SESSION VIII. MENTAL ILLNESS IN CHILDREN AND ADOLESCENTS:
CHALLENGES FOR PROGRESS**

The Significance of Brain Plasticity for the Malleability
of Behavior Systems *Bruce S. McEwen, Ph.D.*
The Neural Substrates of Affective Style
Across Development *Richard J. Davidson, Ph.D.*
Brain Imaging in Children – Current and
Future Approaches *Bradley S. Peterson, M.D.*
Integrating Neuroscience and Psychosocial
Approaches in the Study of Early Experiences *Megan R. Gunnar, Ph.D.*

Adjourn

CONFERENCE SPECIFICS

Conference Location

Caspary Auditorium at The Rockefeller University, 1230 York Avenue (at 66th Street), New York City, will be the site of this conference. The Rockefeller University is located on the upper eastside of Manhattan.

Accommodation Information

Hotel accommodations at discounted daily rates have been arranged with the [Bentley Hotel](#), 500 East 62nd Street (at York Avenue) 1.212.644.6000; the [Melrose Hotel](#), 140 East 63rd Street (at Lexington Avenue), 1.212.838.5700; and the [Helmsley Medical Tower Apartments](#), 1320 York Avenue (at 70th Street), 1.212.472.8400. The Bentley and the Helmsley are within a 5 minute walk of Rockefeller University; the Melrose is within a 10 minute walk. Rates indicated below for each hotel are subject to 13.25% tax plus a \$2.00 occupancy tax per room per night. To ensure receiving these special rates, indicate that you are attending the "NYAS Meeting on Roots of Mental Illness in Children" and [reserve with a major credit card](#).

To make a reservation at the [Bentley](#) with a room rate of \$156 single or double occupancy, contact the Academy's travel company representative indicated in the "Air Travel Discounts" section below (email preferred). Reservation Deadline: February 14. Reservations will not be accepted at the discounted rate, if you call the Bentley directly. To avoid a charge of one night's room and tax, cancellation requires 30 days notice prior to arrival. Check-in time: 3:00 P.M. Check-out time: 12:00 Noon

To make a reservation at the [Melrose](#) with a room rate of \$180 single or double occupancy, contact the hotel directly by calling 1.212.838.5700 or toll free within the USA at 1.800.223.1020. Reservation Deadline: February 14. To avoid a charge of one night's room and tax, cancellation requires 30 days notice prior to arrival. Check-in time: 3:00 P.M. Check-out time: 12:00 Noon

To make a reservation at the [Helmsley](#) with a room rate of \$175 single or double occupancy, contact the hotel directly by calling 1.212.472.8400. Reservation Deadline: February 28. To avoid a charge of one night's room and tax, cancellation requires 24 hours notice prior to arrival. Check-in time: 1:00 P.M. Check-out time: 12:00 Noon

Ground Transportation

[SuperShuttle](#) (blue and yellow van) operates service to Manhattan from LaGuardia (Domestic) and JFK (Domestic and International) Airports in New York City and Newark (Domestic and International) Airport in New Jersey. The current charge is \$15.00 one way from LaGuardia, \$19.00 one way from JFK and Newark. Proceed to the Ground Transportation counter located near the baggage claim area. The Shuttle operates service daily, 24 hours. For additional information telephone toll free 1.800.BLUE.VAN or 1.212.209.7000. [Taxi](#) service is also available.

If you are driving directly to the Rockefeller University, there are parking garages available in the area with several garages on 63rd Street between York and First Avenues. Valet parking is currently available to overnight guests at a daily rate of \$40.00 at the Melrose and \$20.00 at the Bentley, plus applicable taxes.

Air Travel Discounts

Special discounts for travel to Academy conferences are available for all attendees and accompanying persons. For information, contact the Academy's travel company representative: [MSW Travel Group](#), 71 Fifth Avenue – 10th Floor, Attention: [Roslyn Chelouche](#), New York, NY 10003. When corresponding, please include your E-mail address for a prompt quote providing the best fare. E: rchelouche@mswtravelny.com F: 212.329.7299; T: 212.329.7333;7275.

Call for Abstracts

A contributed Poster Session will form an integral part of the conference program. We invite you to submit an abstract. Accepted abstracts will be published in a booklet distributed to all conference attendees. Selected presenters will be invited to submit a short manuscript for publication in the conference proceedings. **Deadline for abstract submission is Monday, January 20, 2003.** An original abstract, including title, author(s), affiliation(s) and text should be prepared single-spaced (10pt font or larger) within a rectangle measuring **6" across x 4" down** (or 15 cm x 10 cm). An abstract form is not necessary. Faxed abstracts will not be accepted. Please indicate at the bottom of the abstract page, the conference name and the complete mailing/e-mail addresses and telephone/fax numbers of the presenting author. Mail original abstracts, plus two copies to Renee Wilkerson, Meetings Coordinator, at the New York Academy of Sciences or email: rwilkerson@nyas.org.

Fellowships

A limited number of fellowships in the form of registration waivers may be available to qualified junior investigators. Individuals applying for a fellowship will be expected to author a poster presentation (sole or first authorship is not required). Applicants must provide a counter signature from a department chair or supervisor verifying student, resident or fellow status. Forward all information with your abstract submission to Renee Wilkerson at the Academy by **January 20, 2003**. Applicants unsuccessful in obtaining registration waivers will be allowed to cancel their registration and abstract submission without cost if requested before February 7, 2003.

Registration Fees Include

- Admission to all Sessions and Conference Materials
- Daily Continental Breakfast
- Refreshment Service - During Intermissions
- Wine/Cheese Poster Session (Saturday, March 15)
- Proceedings Published as a volume of the *Annals of the New York Academy of Sciences* (not included in the daily registration rate)

Note: There is a separate subscription fee for the Sunday, March 16 Luncheon Session. Limited Seating.

Registration Fees

	Before February 7	After February 7
1 NYAS Member	\$245	\$290
2 Nonmember	\$295	\$340
3 Student & NYAS Emeritus Member*	\$160	\$185
4 Daily Fee - March 15	\$140	\$140
Daily Fee - March 16	\$140	\$140
Daily Fee - March 17	\$ 70	\$ 70
<i>(Indicate date(s) on form)</i>		
5 Subscription Luncheon, March 16	\$ 15	\$ 15

* Department Chair/Supervisor must sign registration form for students.

You are not officially registered until fees are received. You will be sent written confirmation. Conference registration fees are waived only for invited speakers. Co-authors and poster presenters pay a registration fee.

Refunds

Written requests for refunds postmarked by February 7 will be issued minus an administrative fee of \$50. *Absolutely no refunds will be honored after this date.*

Send all correspondence to:

Science and Technology Meetings Department
New York Academy of Sciences
2 East 63rd Street
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T: 212.838.0230, ext. 324 F: 212.838.5640
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Visit the Academy at: <http://www.nyas.org>



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REGISTRATION / REPLY FORM

The closing date for advance registration is February 21.

After this date, registrations will only be accepted on-site.

Please type or print legibly - For multiple registrations, please photocopy this form

Name:

(Circle one) Dr. Mr. Ms. First

Last

Degree

Affiliation/Organization:

Mailing Address: Indicate if this is your affiliation address ☐ or home address ☐

Address:

City:

State:

Country:

Zip:

Telephone:

Fax:

E-mail:

I wish to register(Circle Category):

1 = NYAS Member 2 = Nonmember 3 = Student/Resident/Fellow* 4 = Daily: Date(s) _____

*If you are a student, resident or fellow (category 3)

Department Chair/Supervisor Signature: _____

Enclosed is my total payment of \$ _____

Payment enclosed is by: (Check)

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Be sure to include your payment when mailing. If paying by credit card, you may fax this form to: 1.212.838.5640

Please let us know if you will require any assistance during this meeting.



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